

Amendment to the Claims

1-23. (Cancelled)

24. (Currently Amended) A method of operating an actuator placed in a fluid flow or a fluid reservoir, the method comprising:

providing the actuator with an osmotic cell containing a solution; and

placing the actuator adjacent a wall of a drainage pipe for the production of oil or gas, or

oil and gas, so that the osmotic cell is placed in the fluid flow or the fluid reservoir, thereby operating the actuator so that the actuator provides force and motion for driving or adjusting a valve or inflow control device, wherein the force and motion are achieved by utilizing an osmotic pressure difference between the solution in the osmotic cell and the fluid flow or fluid reservoir in relation to the osmotic cell.

25. (Previously Presented) The method in accordance with claim 24, wherein the solution in the osmotic cell is a water and salt solution.

26. (Previously Presented) The method in accordance with claim 24, wherein the motion and force of the actuator are used to operate a valve that regulates the inflow of fluid through inflow openings in the drainage pipe.

27. (Previously Presented) The method in accordance with claim 25, wherein the actuator is used to operate a valve that regulates the inflow of fluid through inflow openings in the drainage pipe.

28. (Currently Amended) An actuator device for controlling a fluid flow, the actuator device being adapted to be used with a drainage pipe for production of oil and/or gas in a reservoir, and the actuator device is an integrated part of a valve or an inflow control device, the actuator device comprising:

an osmotic cell provided with a solution, the osmotic cell being arranged in a housing that is fastened to an interior wall of the drainage pipe in connection with an inlet hole in the pipe wall,

wherein the osmotic cell is designed to be placed in an external fluid flow or fluid reservoir such that force and motion of the actuator device are achieved for driving or adjusting a valve or inflow control device by utilizing an osmotic pressure difference between the solution in the osmotic cell and the external fluid flow or fluid reservoir in relation to the osmotic cell,
wherein fluid from outside the drainage pipe is designed to flow through the inlet hole, on through the housing and out through at least one outlet opening in the housing, and a valve plate is designed to close or open the at least one outlet opening by means of the osmotic cell.

29. (Previously Presented) The actuator device in accordance with claim 28, wherein the solution in the osmotic cell is a water and salt solution.

30. (Cancelled)

31. (Currently Amended) The actuator device in accordance with ~~claim 30~~claim 28, wherein the osmotic cell includes a flexible membrane that makes up all or part of one wall of the osmotic cell, the flexible member being connected to the valve plate so that the valve plate can be moved by the flexible member.

32. (Currently Amended) The actuator device in accordance with ~~claim 30~~claim 28, wherein the valve plate is designed to be moved by a piston and the osmotic cell comprises a piston/cylinder arrangement in which one wall is designed as a moving piston in the housing.

33. (Previously Presented) The actuator device in accordance with claim 29, wherein the osmotic cell further comprises salt blocks provided inside the housing.

34. (Cancelled)

35. (Currently Amended) The actuator device in accordance with ~~claim 30~~claim 28, wherein salt blocks are provided inside the osmotic cell.

36. (Previously Presented) The actuator device in accordance with claim 31, wherein salt blocks are provided inside the osmotic cell.

37. (Previously Presented) The actuator device in accordance with claim 32, wherein salt blocks are provided inside the osmotic cell.

38. (Currently Amended) A method of operating a valve or an inflow control device to regulate flow of fluid through a drainage pipe disposed in the vicinity of a fluid flow ~~or a fluid flow from a fluid reservoir~~, the method comprising:

placing an actuator at an opening formed through a wall of the drainage pipe to receive the fluid flow or the fluid flow from the fluid reservoir, wherein the actuator has a plate and an osmotic cell connected to the plate via a flexible member; and

operating the valve or the inflow control device in response to the fluid flow through the opening in the wall of the drainage pipe, wherein the actuator is positioned so that the osmotic cell is placed in the fluid flow to cause movement of the plate via the flexible member due to an osmotic pressure difference between a solution in the osmotic cell and the fluid flow or the fluid flow from the fluid reservoir.